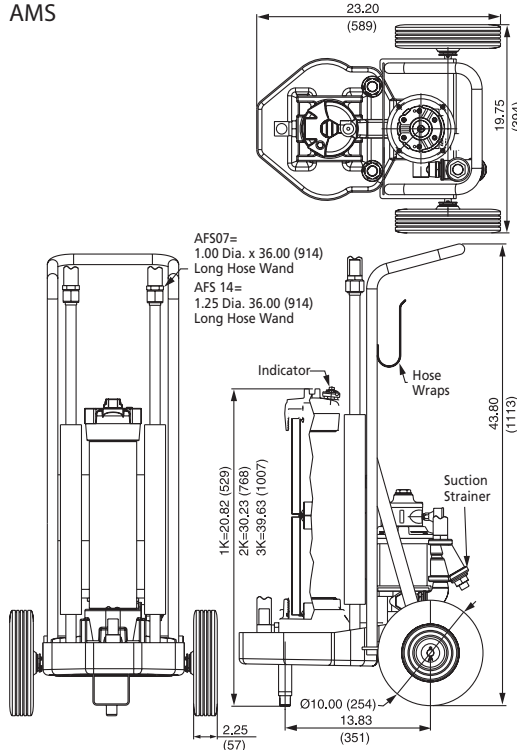
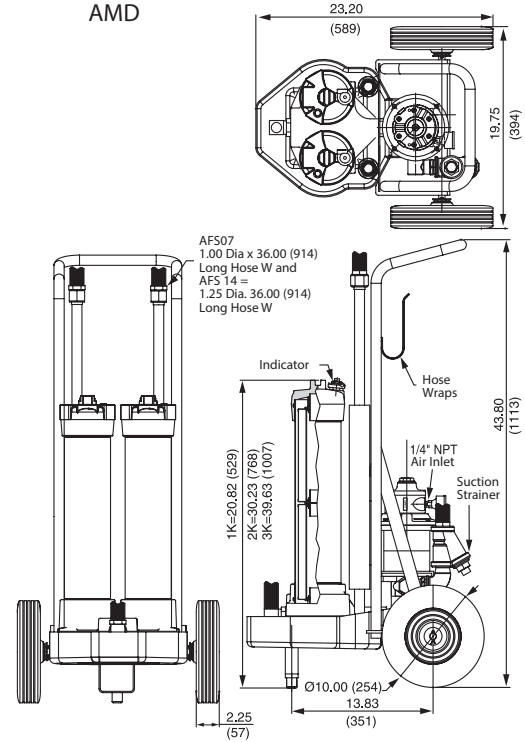


7 or 14 gpm
26.5 or 53 L/min

AMS



AMD



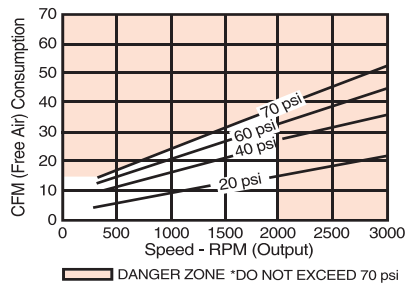
Metric dimensions in ().

Description

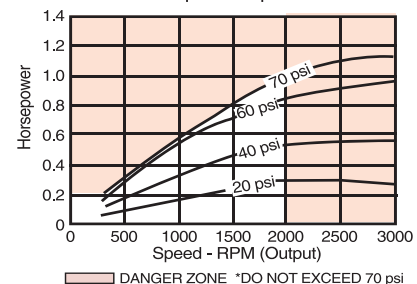
Schroeder's AMS and AMD carts feature a pneumatic motor in place of the standard electric motor. The pneumatic motor offers the same flow capability using the same components, but without the need for an electrical outlet. This provides a major advantage in the application of this unit. With no need for an electrical outlet, it is more portable than the standard electric-motored skids and carts.

Because most trucks and industrial machinery are already equipped with an air compressor, a simple connection to the 1/4" NPT port will easily power the 1.5 HP (or 4.0 HP) motor. At 70 psi, and 2000 rpm, this motor consumes less than 40 cfm (70 cfm for the 4.0 HP motor) of compressed air. Because no electricity is used, the pneumatic motor is ideal for working in hazardous environments such as mines.

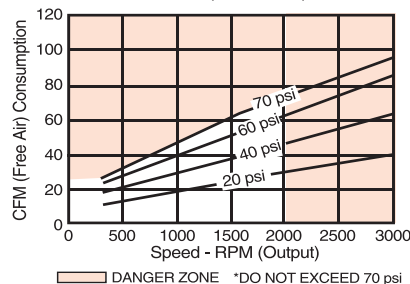
7 GPM AIR MOTOR
Air Consumption vs. Speed



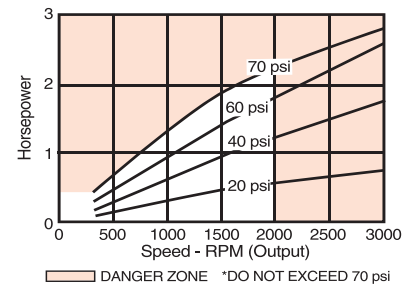
7 GPM AIR MOTOR
Output vs. Speed



14 GPM AIR MOTOR
Air Consumption vs. Speed



14 GPM AIR MOTOR
Output Power vs. Speed



NOTES:

Performance data represents a 4-Vane model with no exhaust restriction.

Air-Operated Mobile Filtration Systems

U.S. Patents 6568919 7604738

**AMS
AMD**

- Supplementing continuous filtration by system filters
- Cleaning up a hydraulic system following component replacement
- Filtering new fluid before it is put into service
- Transferring fluid from storage tanks and drums to system reservoirs
- Field applications on service trucks

Applications

Specifications

Weights

Model Number Selection

CS 1000
CS 1939
CSI-C-11
HY-TRAX®
RBSA
CSM
FCU
MCS
AS
SMU
CTU
EPK
Trouble
Check Plus
HMG2500
HMG4000
ET-100-6
HTB
RFSA
HFS-BC
HFS-15
MFD-BC
MFS, MFD
HY-TRAX® Retrofit
System
MFD-MV
MFS-HV
AMS, AMD
FS
AMFS
KLS, KLD
GB
KLCO
MCO
AKS, AKD
LSN, LSA, LSW
X Series
OLF Compact
OLF
OLF-P
NxTM
VEU-F
VMU
IXU
Triton-A
Triton-E
NAV
SVD01
OXS
Appendix

Flow Rating:	7 gpm (26.5 L/min) max and 14 gpm (53.0 L/min) max
Maximum Viscosity:	1,000 SUS (216 cSt) Higher viscosity version available. Contact factory for details.
Housing Pressure Rating:	250 psi (17.2 bar) max operating ¹ 1,000 psi (68.9 bar) min yield
Fluid Temperature:	25°F to 150°F (-4°C to 65°C) ²
Bypass Valve Setting:	Cracking: 30 psi (2 bar)
Material:	Manifold and cap: Cast aluminum Element case: Steel
Compatibility:	All petroleum based hydraulic fluid. Contact factory for use with other fluids.
Element Change Clearance:	8.50" (215 mm) 1K (9, 18 or 27" depending on model configuration)

¹For higher hose pressure applications contact factory.

²For higher temperature applications contact factory.

gpm	AMS-2K		AMS-3K		AMD-2K		AMD-3K	
	lb	(kg)	lb	(kg)	lb	(kg)	lb	(kg)
7	180	(82)	190	(86)	203	(92)	220	(100)
14	187	(85)	197	(89)	210	(95)	227	(103)

How to Build a Valid Model Number for Schroeder AMS:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6
AMS					

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6
AMS	1-18	G10		B	14

= AMS1-18G10B14

BOX 1	BOX 2	BOX 3
Model	No. of Elements/ Element Length	Element Media First Filter
AMS	1-18	Z01 = 1 µm Excellement® Z-Media® (synthetic) Z03 = 3 µm Excellement® Z-Media® (synthetic) Z05 = 5 µm Excellement® Z-Media® (synthetic) Z10 = 10 µm Excellement® Z-Media® (synthetic) Z25 = 25 µm Excellement® Z-Media® (synthetic) EWR = Water Removal
AMD	1-27 2-09 3-09	G03 = 3 µm Excellement® Z-Media® (synthetic) w/GeoSeal® G05 = 5 µm Excellement® Z-Media® (synthetic) w/GeoSeal® G10 = 10 µm Excellement® Z-Media® (synthetic) w/GeoSeal® G25 = 25 µm Excellement® Z-Media® (synthetic) w/GeoSeal® GWR = Water Removal w/GeoSeal®

BOX 4	BOX 5	BOX 6
Element Media Second Filter (AMD Only)	Seal Material	Pump Size(gpm)
Z01 = 1 µm Excellement® Z-Media® (synthetic) Z03 = 3 µm Excellement® Z-Media® (synthetic) Z05 = 5 µm Excellement® Z-Media® (synthetic) Z10 = 10 µm Excellement® Z-Media® (synthetic) Z25 = 25 µm Excellement® Z-Media® (synthetic) EWR = Water Removal G03 = 3 µm Excellement® Z-Media® (synthetic) w/GeoSeal® G05 = 5 µm Excellement® Z-Media® (synthetic) w/GeoSeal® G10 = 10 µm Excellement® Z-Media® (synthetic) w/GeoSeal® G25 = 25 µm Excellement® Z-Media® (synthetic) w/GeoSeal® GWR = Water Removal w/GeoSeal®	B = Buna	07 14

NOTES:

Box 5. When AMD is ordered, the number of elements, element length, and seal will be identical for both filter housings.

Box 6.
07 gpm - 50 CFM at 70 psi
14 gpm - 70 CFM at 70 psi

For replacement element part numbers, please see "Appendix Section - Replacement Elements" of this catalog.